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# The Tech News Volume 7, Issue 18, January 25, 1916

The Students of Worcester Polytechnic Institute

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# TECH NEWS



VOL. 7

WORCESTER, MASS., JANUARY 25, 1916

NO. 18

## Relay Season Opens

Boston College Saturday  
Other Dates Announced

The varsity relay team will open the indoor season Saturday night against the Boston College four. The race will be at the Coast Artillery Corps games in Boston.

Time trials were held last week to pick the team for the first race, five men trying out for the two vacant positions. Captain Ricker and Cleveland, veterans from last year, were not put against the stop watch. Green, Knowlton, Powers, Keith, and Heinritz tried out for the other two places. Green was the fastest man of the five, and had no difficulty in securing the third place. The other four made such close times that there was little choice, and Knowlton will probably be the fourth man on the team.

Two other indoor races have been scheduled for this year, one with M. A. C. at the B. A. A. games in Boston, February 5, and one with Bowdoin at the Hartford Armory meet, February 21. The Penn. relay carnival is scheduled for April 29, but no decision has yet been reached about sending a team there.

Three dual meets have been announced for the outdoor track season. The first is with M. A. C. on Alumni Field, April 22, the second with Colby at Waterville, Me., May 6, and the third with New Hampshire State at Durham, May 12. Tech will send a team to the N. E. Intercollegiate, May 19 and 20.

## SOPHOMORES TAKE TITLE Defeat Seniors in Relay Race

The sophomore relay team surprised the school in the final interclass races by taking the title from the seniors by a decisive margin. The match was expected to be a battle royal, but at the finish the second-year team was nearly 20 yards to the good.

Berry and Sanderson were the first runners for the seniors, and Hall and Knowlton gained several yards each on them till the sophomore lead was quarter of a lap. Cleveland and Ricker, the last two seniors, were unable to gain back more than 10 yards of the lead against Heinritz and Green, and the senior team failed to gain permanent possession of the Class of 1890 Trophy.

In the junior-freshman race the lead was continually changing from one team to the other, the juniors winning by a small margin. Francis, Gardner, Doyle, and Powers ran on the junior team, while the freshmen were represented by Leonard, Briggs, Garland, and Keith. The sophomore time was three minutes, 19 1-5 seconds, and that of the juniors was 3 : 28 1-5.

## Dr. Exner Coming

Next Tuesday and Wednesday, Feb. 1 and 2, Dr. M. J. Exner is coming to address Tech men under the auspices of the Tech Y. M. C. A. Dr. Exner's purpose is to bring to students the knowledge and constructive help which they need to aid them to high ideals in their sex life. He is to speak both days at 4.45 p. m. in the E. E. Lecture Room. The subject of his first lecture is "The Young Man's Problem," and that of his second is "A Rational Fight for Self-Mastery."

Dr. Exner is a secretary of the Student Department of the International Committee of the Young Men's Christian Association. He has the degrees of Bachelor of Science, Doctor of Medicine, and Master of Physical Education and has been a Director of Physical Education in colleges and Y. M. C. A.'s for twenty-three years. He introduced Association physical training into China, spending three years there. In connection with physical education he has dealt personally with thousands of boys and young men with reference to sex matters. During the past three years he has been making a special study of the sex question and preparing literature upon it.

## ROBINS COMING SOON To Visit Tech Second

Raymond Robins is this week at the University of Texas, Austin, Texas. After this visit he goes to three Canadian colleges, then to Penn. State, and then to New England. M. A. C. comes first in this district. February 18-21 Mr. Robins will visit Worcester Tech. Other New England institutions on his program are Dartmouth, Williams, Wesleyan, University of Maine, Bates, and Exeter Academy.

His work during November and December has brought forth most enthusiastic reports from the officers and students of American colleges. At Clemson College, S. C., all but four men attended his final meeting. President Riggs of this college afterwards said in speaking of Mr. Robins, "Privileged indeed are those colleges included in Mr. Robins' tour for he has a message and appeal to young men simpler and more potent than any I have heard."

## POSTER CONTEST

This year the usual Poster Contest is being conducted by the Tech Show management. To be entered in this contest, posters must be in the hands of G. M. Pomeroy, Advertising Manager by 6 p. m., Saturday, March 4. A prize of five dollars will be given the designer of the poster that is used.

## Sigma Xi Meeting

Professor Bucher the Speaker

A very interesting meeting of Sigma Xi, Tech's honorary scientific society, is promised for this evening. Prof. John E. Bucher of Brown University is to lecture on the "Fixation of Atmospheric Nitrogen." The lecture will be at eight o'clock, in the Salisbury Laboratories, and will be illustrated.

The speaker will popularize his lecture so that even those not deeply versed in chemical lore may understand his principles and methods. The meeting will be open to all Tech fellows, as well as the general public.

## TECH RECEPTION FOR MR. WASHBURN

Monday evening, January 17, members of the faculty and instructors gave a reception to the Hon. Charles G. Washburn and the trustees of the Institute. The affair was held in the home of President and Mrs. Ira N. Hollis and was of an informal nature.

This reception marks the success of the Institute in raising the \$350,000 necessary to be secured by the school before 1917 in order to secure a renewal of the State aid it has previously had. The sum was reached and overrun by Mr. Washburn's gift of \$50,000, pledged a few years ago.

During the evening, both President Hollis and Mr. Washburn made short addresses. Among other things President Hollis spoke of the need of development of character in W. P. I. men.

Prof. George H. Haynes had general charge of arrangements.

## RIFLE SCORES LOW

In the second intercollegiate rifle match, Tech scored only 951 according to unofficial figures. Captain Bragdon and Banan were tied for first place with 192 each. The scores follow:—

H. F. Banan	96	96	192
E. L. Bragdon	97	95	192
R. H. Taylor	94	97	191
H. J. Reid	95	93	188
C. C. Moore	93	95	188
			951

Those not qualifying were—C. S. Darling 187, R. C. Lewis 186, A. C. Fenn 184, E. B. Janvrin 180, S. G. Wilder 178.

## FACULTY ASSEMBLY POSTPONED

Because of the sudden death of Mrs. Arthur D. Butterfield, the Faculty Assembly which was to have been held last Tuesday evening has been indefinitely postponed, probably until some time in March.

## Blake Will Coach

Football Director For 1916 Secured

Fordyce T. Blake, who assisted Coach Ostergren in drilling the Tech line last fall, has been engaged to coach the 1916 football team. Blake has had a great deal of football experience and has done considerable coaching. Last fall he did excellent work with Tech's line. He has been engaged for only one year, with the idea that if he makes good he may be asked to continue in charge and build up a football system.

While in "prep" school, Coach Blake played guard and tackle on the Baneroff school team, the Highland Military Academy team, and the Milton Academy team for two years each. In 1908 he was a guard on the Harvard freshman team, and the next year played on the crimson second team and varsity squad. The next two seasons he spent in coaching, one at Milton Academy as line coach, and one as head coach of the M. I. T. freshman team and assistant coach of the Harvard freshman eleven. He played guard on the 1912 class team when it won the school championship in his senior year. Two years ago he assisted in coaching at Holy Cross.

## DEATH OF MRS. BUTTERFIELD

Fannie Louise (Day) Butterfield, wife of Prof. Arthur D. Butterfield died last Monday night. Mrs. Butterfield had been ill only a few days of double pneumonia. At the Tech Mixer, Friday night, January 7, she was taken ill and had been confined to her house since that time.

Mrs. Butterfield had an unusually large number of friends and in Institute life had always taken a leading part. The many students whom she had entertained and befriended heard with the deepest regret of her death. Mrs. Butterfield is survived by her parents, two sisters, a brother, her husband, and three children.

The funeral was from the family home, 10 Schusser Road, Thursday afternoon, Jan. 20, 1916.

## TECH NIGHT AT POLI'S

A movement is on foot to have the annual Tech Night at Poli's during the early part of February. Each division will be canvassed to see how many will go. February 4 has been suggested as a possible date.

## CALENDAR

TUESDAY—5 p. m. Monthly meeting of Tech News Association, Tech News Building.

8 p. m. Sigma Xi Meeting. Lecture on "Fixation of Atmospheric Nitrogen," by Prof. John E. Bucher, Salisbury Laboratories. Open to all.

WEDNESDAY—6 p. m. Meeting of Friendship Committee; church, corner Highland and West Sts.

SATURDAY—Varsity Relay runs against Boston College in C. A. C. games in Boston.

# TECH NEWS

Published every Tuesday of the School Year by

The Tech News Association of Worcester Polytechnic Institute

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All checks should be made payable to the Business Manager.

The Tech News welcomes communications but does not hold itself responsible for the opinions therein expressed.

All material should be in before Thursday noon at the latest in order to have it appear in the week's issue.

Entered as second class matter, September 21, 1910, at the postoffice at Worcester, Mass., under the Act of March 3d, 1879.

All communications should be addressed to Tech News, Worcester Polytechnic Institute

## THE DAVIS PRESS

JANUARY 25, 1916.

## BOOST TECH

## Editorials

On behalf of the school we extend to our friend and professor the deepest sympathy in this time of bereavement.

## SOCIAL PLANS

The worries of the first half year are over, and the social pleasures of the second half year should be an important topic among Tech men now. The Tech Show is well under way, and plans are being laid for a junior prom. Announcement is made of "Tech night at Poll's" plans, and the freshmen are looking forward to their banquet. Steps should be taken at once in preparation for a Tech banquet, and a musical association concert or two would be a welcome addition. Any sort of social life which brings Tech men together in clean good comradeship is to be desired.

## A GRADUATE'S REPLY

The following reply to "1916's" letter which appeared in the last issue of the NEWS comes from a true Tech man, and from one who was a keen observer of Tech life while he was here:—

United States Naval Academy,  
Annapolis, Maryland,  
Post Graduate Department.  
Jan. 17, 1916.

The Editor of the TECH NEWS,  
Boynton Hall, W. P. I.,  
Worcester, Mass.

Dear Sir:

May I be allowed to say this to "1916," the writer of the letter published in the NEWS of Jan. 11, 1916.

How can a man "possess that hallowed and reverent feeling for his Alma Mater that all loyal men of Tech should have," who, when he has failed to do his assigned task well or thoroughly, commences "to figure out some scheme to pull the wool over" his instructor's eyes!

"1916," you have assumed the position of spokesman for the men who are living the "gambler's life" with respect to graduation or failure. Return to them and say: "Pessimists! I am one of you no longer. Your meanness of spirit has opened my eyes which had grown to see what your eyes see. You are men upon a height—looking downwards. Pride tells me that the fault was not in me; Memory recalls the growing; Honesty shouts into my ear, 'It is not too late.' I joined you in Fear; I leave you in Confidence."

Very truly yours,

Harry B. Lindsay, '13.

## CHEM NOTES

On the evening of January 10, Mr. G. Albert Hill, Assistant in Organic Chemistry, addressed forty members of the Bates Scientific Society of Bates College at Lewiston, Me., on the subject of Colloid Chemistry. The lecture was illustrated by experiments.

Through the kindness of Mr. W. N. Watson, Consulting Chemist for the Lewiston Bleach and Dye Works, Mr. Hill was permitted to inspect this plant, which ordinarily does not allow visitors to observe the various processes.

Stuart P. Miller '13 is chemist with the Barrett Manufacturing Co. at Philadelphia.

H. R. Power of the Department of Chemistry addressed the Woman's Club of Northbridge, Friday afternoon, January 7, in the home of Mrs. H. T. Whitin, on the subject of "Pure Foods."

Fred C. T. Daniels '04, and Herbert E. Field '95, president of the Wheeling Mold and Foundry Co. of Wheeling, W. Va., have taken out patents on a new steel called super-steel. It is used for casting rolls that are used for rolling ordinary iron and steel.

The same men have also secured patent rights on a process for strengthening castings.

A 16 per cent dividend on a cash sale of more than \$5,200 worth of books to Rensselaer Polytechnic Institute students has just been declared by the Book Committee. More than \$900 has been divided among the students.

Thirty undergraduates of Carnegie Institute of Technology recently organized a Y. M. C. A. at that school.

# Dancing

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## RAY HALL GOING BACK TO CHINA

Raymond S. Hall, '07, sailed from San Francisco, January 22, on the steamship "Nippon Maru," to resume his work as Y. M. C. A. secretary in China. Mr. Hall will open up a new portion of the country, having headquarters in Nan Chang, a city of a million inhabitants. His former work at Tientsin met with splendid success, and resulted in his being picked for this new field. During his furlough, Mr. Hall attended the Northfield Conference, where all of our delegation came to know and admire him. He has for several months been in Worcester. On his trip back to China he is accompanied by his wife and two daughters.

## SERIOUS ACCIDENT AT GYM

Pasquale Frantin, a workman employed by the Central Building Co. on the new gymnasium, is in a critical condition at the City Hospital, as the result of a twenty-five-foot fall. Frantin slipped off the staging last Wednesday and fell to the ground-floor, landing on his head. This is the second severe accident which has occurred during the construction of the new gym.

## Y. M. C. A. TOURNAMENTS

Now that the terrors of "Mid-year's" are past, it is hoped that the tournaments will progress more rapidly. All the elimination matches should be played off by the end of the week, so that the actual tournament matches may begin February 1st. Recent results are:—In the chess tournament, Sessions, '17, defeated Page, '17 2-0; in the checker tournament, Tomblen defeated Cole, '19, 3-0; Gifford defeated Andrews 2-1.

## WITH THE ELECTRICS

J. M. Barnes '15, has accepted a position, with the Interborough Co. of New York City.

A. S. Goodrich '15, is now with Viele, Blackwell, and Buck, engineers of New York City.

Leon I. Thomas '07, has held for some time the position of managing editor of "Factory," a magazine published in Chicago.

R. D. Hawkins '15, has just accepted a position with the Stone and Webster Management Corporation of Boston.

L. C. Josephs, who was a graduate student at Tech in '09, is now an Assistant Engineer in the Locomotive Dept., General Electric Company, of Schenectady.

William Law '08, has gone into business as the William Law Co., in Providence. He is agent for the Willard Storage Battery.

W. E. Spieer '14, is an Inspector at the works of the New England Westinghouse Co., Batavia, New York.

L. S. Hoffmann, one of last year's graduate students, is with the Graton & Knight Manufacturing Company, at the main plant in Worcester.

Harris Rice '12, is teaching Mathematics at Tufts College.

E. L. Fisher '15, is an instructor in Electrical Engineering at Columbia University.

George W. Nelson '14, and last year a graduate student, is with the Union Carbide Co., at Niagara Falls.

W. G. Bassett '12, is with the Cananea Consolidated Copper Co., at Naco, Arizona.

## A. S. C. E. MEETING

Profs. A. W. French and C. M. Allen attended the sessions of the A. S. C. E., which were held in New York last week. Professor French also met with the Committee on Reinforced Concrete and Building Laws of the American Concrete Institute, of which committee he is a member.

## HERE AND THERE

Assistant Professor of English Charles J. Adams addressed the Northboro Woman's Club recently on the "Faith and Prophecy of English Poetry."

Prof. Howard C. Ives has submitted to the publishers the revised material for new printings of his "Surveying Manual," and "Adjustments of the Engineering Transit and Level." Since its publication in 1914, the "Manual" has been adopted as a standard text-book at many of the larger colleges, while the latter has been made the standard text in the Philippine Islands.

Benjamin S. Crocker '76, who is chief engineer at the works of the General Chemical Company, New York, was recently in Worcester, and called on his classmate, John F. Kyes, of 88 Park Ave.

In a recent issue of the "Engineering Record," there is an article by President Ira N. Hollis, in reply to a paper previously published to show that the registration in the Civil Engineering courses at the representative technical schools is decreasing. In discussing the question, President Hollis pointed out that the C. E. Department at Tech had been growing very satisfactorily. It increased from 48 to 81 students enrolled during the period 1905-1910, and bettered this to 112 students last year.

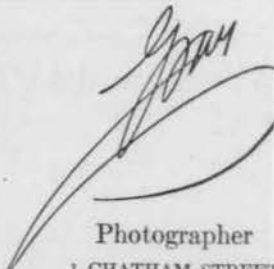
Prof. George H. Haynes was chosen a member of the council of the American Political Science Union at the annual meeting of that body held recently in Washington. The council is made up of the officers of the Association and five members-at-large, who are elected for terms of three years.

President Hollis was the speaker at the last meeting of the Engineers' Club, of Boston. He spoke on "Naval Lessons of the War," and discussed particularly the naval policy and management which is needed here at home. As President Hollis is a graduate of Annapolis, and was for a number of years prominent in the navy, his analysis of such problems always commands attention.

Among the interesting books published recently is a biography of Theodore Roosevelt, from the pen of the Hon. Charles G. Washburn. Mr. Washburn, who has for many years been known as a true friend of Tech men, and a prominent member of the board of Trustees, was a classmate of Roosevelt at Harvard.

Raymond B. Heath, who was taken seriously ill with pneumonia at the conclusion of the second performance of the Tech Show last year, has returned to school as a member of the class of 1919. Heath was one of the best "leading ladies" Tech has ever known. He will keep out of school activities for another year at least.

Mr. and Mrs. John Townsend, of 7 Charlotte Street, have announced the engagement of their daughter, Ruth Madeleine, to Alfred W. Jordan, who studied until recently with the class of 1917.



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## E. E. THESIS SUBJECTS

The following thesis subjects have been selected by students in the E. E. Department:

- C. F. Alexander, Graduate Thesis, "Study of the Design of Induction Motors."  
A. B. R. Prouty, Graduate Thesis, "Development of an Instrument for the Measurement of Very High Potentials."  
D. M. Russell, Graduate Thesis, "Design of a 750-Mile Artificial Transmission Line."  
W. W. Spratt, Graduate Thesis, "Study of the Design of Dielectrics."  
H. F. Bannan, "Study of the Movements of Passengers in Boarding and Alighting from Electric Street Cars."  
E. L. Bragdon, "Study of the Number of Persons Standing from Choice in Street Cars."  
W. B. Burgess and H. W. Colburn, Separate Theses, each on the Subject, "Experimental Study of Special Wireless Apparatus."  
J. d. R. Junqueira, "Design and Testing of Units for a 750-Mile Artificial Transmission Line."  
R. E. Lamb, "Study of Economic Problems Involved in the Extension of the Municipal Electric Light and Power Service in a Part of Sterling, Mass."  
H. C. Leonard, "Design and Construction of an Apparatus to Obtain Instantaneous Wave Forms."  
A. H. Richardson, "General Motor Characteristic Curves."  
R. M. Thackeray, "Design and Test of a Unit for a 750-Mile Artificial Transmission Line."

## TECH AT THE N. Y. AUTO SHOW

Several Tech men played prominent parts in the Auto Show held recently in Madison Square Garden, New York. Prof. David L. Gallup was busy at work in his capacity of chairman of the research committee of the division of standards of the American Society of Automobile Engineers, and also as the New England representative on the national committee of home defense motorists.

Prominent among the exhibits of accessories was that of the Atwater Kent Manufacturing Works. Atwater Kent was a non-graduate of the class of '89, and soon after became famous for his work in the invention of automobile ignition accessories.

Another feature of the show was the announcement of the new Haynes twelve-cylinder car. Elwood Haynes graduated from Tech in 1881. In 1892 he constructed a "horseless carriage," which was the pioneer of the modern automobiles.

## DR. DANIELS, HOST

Dr. Farrington Daniels, of the Chemistry Department, was the host an informal dancing party at the Mansion House, Green Hill Park, on the evening of January tenth. The guests were Tech men who attend Plymouth Church, and their lady friends from the church and Sunday school. Mrs. Robert MacDonald, and Mrs. Harvey Whitney, were the chaperons. A supper was served at seven o'clock, and was followed by games, dancing, and the singing of college songs.

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